

Icelene HD 6345 High Density Polyethylene Resin

Applications:

Intermediate Bulk Containers

PRODUCT DESCRIPTION

HD6345 is a certified prime grade High Molecular Weight high density polyethylene which contains UV. It is designed for applications where high stress cracking and chemical resistance is required.

Properties*	Test Method	Metric Units		English	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index (190°C/2.16 kg.)	ASTM D1238	<0.10	g/10 min.	<0.10	g/10 min.
High Load Melt Flow Index (190°C/21.6 kg.)	ASTM-D1238	6.3	g/10 min.	6.3	g/10 min.
Density (23°C)	ASTM D792	0.945	g/cm ³	0.945	g/cm ³
Thermal					
Brittleness Temperature	ASTM D746	<-76	°C	<-105	°F
Vicat Softening Temperature	ASTM D1525	124	°C	255	°F
Molded Properties					
Tensile Strength at Yield	ASTM D638	23	Mpa	3300	psi
Flexural Modulus	ASTM D790	1000	Mpa	150000	psi
ESCR 100% Igepal		>1000 Hr		>1000 Hr	

* Typical Value of Properties which can vary with in specification limits and are not to be construed as specifications.

This product is not intended for use in medical applications and should not be used in any such applications.

This product is not intended for us in fuel systems utilizing biodiesel.

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